

To: Technology Center: **DIVISION MISSING PARTS**
Facsimile Number: **703-746-4060**

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From: Abdul Zindani
Texas Instruments Incorporated
Facsimile: 972-917-4418
Phone: 972-917-5137

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

TI-36888AA

Sirikiat L. Ariyavisitakul, et al.

Art Unit: 2631

Serial No.: 10/816,781

Examiner:

Filed: April 2, 2004

Conf. No.: 9966

For: Frequency Domain Training of Prefilters With Interference Suppression

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that the following papers are being transmitted by facsimile to the U.S. Patent and Trademark Office at 703-746-4060 on the date shown below:


Robin E. Barnum

September 20, 2004
Date

FACSIMILE COVER SHEET

<input checked="" type="checkbox"/> FACSIMILE COVER SHEET	<input type="checkbox"/> AMENDMENT <input checked="" type="checkbox"/> (# Pages)
<input type="checkbox"/> NEW APPLICATION	<input checked="" type="checkbox"/> EOT (1 month (1 Page))
<input checked="" type="checkbox"/> DECLARATION (2 Pages)	<input type="checkbox"/> NOTICE OF APPEAL (# Pages)
<input type="checkbox"/> ASSIGNMENT (# Pages)	<input type="checkbox"/> APPEAL (# Pages)
<input type="checkbox"/> FORMAL DRAWINGS	<input type="checkbox"/> ISSUE FEE (# Pages)
<input type="checkbox"/> INFORMAL DRAWINGS	<input type="checkbox"/> REPLY BRIEF (IN TRIPLICATE) (# Pages)
<input type="checkbox"/> CONTINUATION APPN (# Pages)	<input checked="" type="checkbox"/> Notice of Missing Parts TL (1 page)
<input type="checkbox"/> DIVISIONAL APPN	<input checked="" type="checkbox"/> Notice of Missing Parts PTO-Form (2 pages)
<input checked="" type="checkbox"/> Fee TL (1 page)	
NAME OF INVENTOR(S): Sirikiat L. Ariyavisitakul, et al.	
TITLE OF INVENTION: Frequency Domain Training of Prefilters With Interference Suppression	
TI FILE NO.: TI-36888AA	DEPOSIT ACCT. NO.: 20-0668
FAXED: 9/20/04 DUE: 8/21/04 ATTY/SECY: GEL/reb	
RECEIPT DATE & SERIAL NO.: Serial No.: 10/816,781 Filing Date: April 2, 2004	

RECEIVED
SEP 21 2004
OIPE/JCVS

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Texas Instruments Incorporated
PO Box 655474, M/S 3999
Dallas, TX 75265



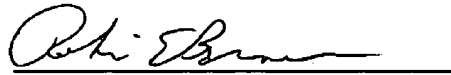
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: TI-36888AA
Sirikiat L. Ariyavisitakul, et al. Art Unit: 2631
Serial No: 10/816,781 Examiner:
Filed: April 2, 2004 Conf. No.: 9966
For: Frequency Domain Training of Prefilters With Interference Suppression

RESPONSE TO NOTICE TO FILE MISSING PARTS
OF NONPROVISIONAL APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATION OF FAX TRANSMITTAL
I hereby certify that the above correspondence is being facsimile
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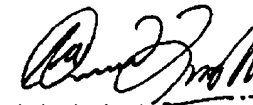

Robin E. Barnum

Dear Sir:

This is in response to the *Notice of Missing Parts of Application* dated June 21, 2004, indicating a Fee Transmittal was missing. Applicant is submitting a new Fee TL, with all boxes checked and appropriate Attorney signature, hoping this satisfies the requirements. Also enclosed is a copy of the *Notice of Missing Parts of Application* Form.

Please charge the \$130 surcharge fee for filing of the Declaration Under 37 CFR 1.16(e) to Texas Instruments Incorporated, Deposit Account No. 20-0668. Please charge any other necessary filing fees or credit any overpayments to Texas Instruments Incorporated, Deposit Account No. 20-0668.

Respectfully submitted,


Abdul Zindani
Attorney for Applicant
Reg. No. 46,091

Texas Instruments Incorporated
P.O. Box 655474, MS 3999
Dallas, TX 75265
(972) 917-5137



Approved for use through 07/31/2006. OMB 0651-0032
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FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.
Express Mailing Label No.:

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)
1,112.00

Complete If Known	
Application Number	
Filing Date	April 2, 2004
First Named Inventor	Sirikiat L. Ariyavisitakul, et al.
Examiner Name	
Art Unit	2631
Attorney Docket No.	TI-36888AA

METHOD OF PAYMENT

☐ Check ☐ Credit Card ☐ Money Order ☐ Other

☒ Deposit Account

Deposit Account Number

20-0668

Deposit Account Name

Texas Instruments Incorporated

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge Any Additional Fee(s) during the pendency of this application

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	205	65	Surcharge - late filing fee of oath	
1052	50	227	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	139	130	Non-English specification	
1812	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	112	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
1251	110	215	55	Extension for reply within first month	
1252	420	216	195	Extension for reply within second month	
1253	950	217	445	Extension for reply within third month	
1254	1,480	218	695	Extension for reply within fourth month	
1255	2,010	228	945	Extension for reply within fifth month	
1401	330	219	155	Notice of Appeal	
1402	330	220	155	Filing a brief in support of an appeal	
1403	290	221	135	Request for oral hearing	
1451	1,510	138	1,510	Petition to institute a public use proceeding	
1452	110	240	55	Petition to revive - unavoidable	
1453	1,330	241	620	Petition to revive - unintentional	
1501	1,330	242	620	Utility issue fee (or reissue)	
1502	480	243	220	Design issue fee	
1503	640	244	300	Plant issue fee	
1460	130	122	130	Petitions to the Commissioner	
1807	50	123	130	Petitions related to Prov'l Apps (Proc. Fee under 37 CFR 1.17(g))	
1806	180	126	180	Submission of Information Disc. Stmt.	
8021	40	581	40	Recording each patent assignment per property (times no. of properties)	
1809	770	246	355	Filing a submission after final rejection (37 CFR §1.129(a))	
1810	770	249	355	For each additional invention to be examined (37 CFR §1.129(b))	
1801	770	279	355	Request for Cont'd Examination (RCE)	
1802	900	169	900	Req. for expedited exam. of a Design App	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	201	355	Utility filing fee	\$770
1002	340	206	160	Design filing fee	
1003	530	207	245	Plant filing fee	
1004	770	208	355	Reissue filing fee	
1005	160	214	75	Provisional filing fee	
SUBTOTAL (1)					(\$770)

2. EXTRA CLAIM FEES

Extra Claims		Fee from below		Fee Paid
Total Claims				
39	-20**=	19	X 18 =	342
Independent Claims	X	-3** =	X 86 =	
Multiple Dependent			290 =	

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	203	9	Claims in excess of 20	
1201	86	202	40	Independent claims in excess of 3	
1203	290	204	135	Multiple dependent claim, if not paid	
1204	86	209	40	**Reissue independent claims over original patent	
1205	18	210	9	**Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$342)

** or number previously paid, if greater; For Reissue, see above

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Abdul Zindani	Registration No. (Attorney/Agent)	46,091
Signature		Telephone	(972) 917-5137
		Date	September 20, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
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 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/816,781	04/02/2004	Sirikiat Lek Ariyavisitakul	23746-07986

CONFIRMATION NO. 9966

23494
 TEXAS INSTRUMENTS INCORPORATED
 P O BOX 655474, M/S 3999
 DALLAS, TX 75265

FORMALITIES LETTER



OC000000013001822

Date Mailed: 06/21/2004



NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of **\$342** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$1242** for a Large Entity

- \$770 Statutory basic filing fee.
- \$130 Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is **\$342**

09/22/2004 MBELETE1 00000025 200668 10816781

01 FC:1001	770.00 DA
02 FC:1051	130.00 DA
03 FC:1202	342.00 DA

- \$342 for 19 total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

N. Mohammed
Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE